



The Microbial Genomics and Metagenomics (MGM) five-day workshop (www.jgi.doe.gov/meetings/mgm/) provides strong and solid training in microbial genomic and metagenomic analysis and demonstrates how the cutting-edge science and technology of DOE JGI can enhance the participants' research.

REGISTER FOR THE MAY MGM WORKSHOP AT <http://bit.ly/gOYyV1>

REGISTER FOR THE SEPTEMBER MGM WORKSHOP AT <http://bit.ly/gFa2la>

Sample Agenda:

MONDAY

- Welcome and Overview of the Workshop
- Introduction to the JGI New Sequencing Technologies
- Microbial Genome Assembly & Finishing
- Single Cell Genomics
- Eukaryotic Genome Annotation
- Microbial Genomics
- Archaeal Genomics
- Phylogenomics
- Introduction to Metagenomics
- Metagenomics of Hypersaline mats
- IMG Systems and Design Walkthrough
- Poster Session and Reception

TUESDAY

- Basic Bioinformatics Tools
- Data Sources
- Sequence Space Gene Clustering
- Finding the Genes in Microbial Genomes
- Gene Models Quality Control (Gene QC)
- Annotation: Function Prediction and Metabolic Reconstruction
- IMG Functions and Pathways
- Introduction to IMG
- IMG-GOLD
- IMG-ER Data Submission — Hands on Tutorials



WEDNESDAY

- IMG Tutorial (Genome Annotation and Analysis)
- IMG — Genes and Genomes
- Hands-on IMG (Exercises)
- Exercise Solutions
- IMG — Functions and Pathways
- MyIMG
- Gene Context Analysis in IMG
- Hands-on IMG (Exercises)
- Exercise Solutions

THURSDAY

- IMG/M Tutorial (Metagenome Analysis)
- IMG/M
- Introduction to Metagenome Analysis
- Statistical Analysis of Metagenomic Datasets
- Hands-on IMG (Exercises)
- Exercise Solutions
- A Genome Analysis Test Case
- A Metagenome Analysis Test Case
- General Discussion & User's Feedback

FRIDAY

- CAMERA Tutorial (Cyberinfrastructure for Advanced Marine Microbial Ecology Research and Analysis)
- Greengenes and PhyloChip tutorial
- MycoCosm/Fungal Portal Tutorial
- VISTA
- End of Workshop

more information at <http://bit.ly/gOowJc>

The U.S. Department of Energy (DOE) Joint Genome Institute (JGI), supported by the DOE Office of Science, advances genomics in support of the DOE missions related to bioenergy, carbon cycling, and biogeochemistry. DOE JGI, located in Walnut Creek, California, provides integrated high throughput sequencing and computational analysis which enable systems-based scientific approaches to these challenges. <http://www.jgi.doe.gov/>